CLAIMS

1.   A television receiver that inputs encoded
picture data that contain motion information used when
the picture data were encoded, comprising:

5   decoding means for decoding the encoded
picture data according to the motion information and
outputting the decoded picture data;

picture process means for performing a motion
adaptive picture process for the decoded picture data;

10   and

time axis compensation means for supplying
motion information according to the generated decoded
picture data to the picture process means in
synchronization with timing of which the decoded

15   picture data are supplied to the picture process means,

wherein the picture process means performs a
picture process according to the motion information
supplied from the time axis compensation means.

2.   The television receiver as set forth in claim

20   1,

wherein the encoded picture data contain
difference data against a reference picture, and

wherein the decoding means adds past or
future picture data generated according to the motion

25   information and the difference data to generate the
decoded picture data.

3.   The television receiver as set forth in claim

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1,

wherein the motion information is a moving
vector detected for each macro block composed of a
plurality of pixels, and

wherein the picture process means references
the moving vector for each macro block and performs the
motion adaptive picture process.

4.   The television receiver as set forth in claim
1,

wherein when the motion information supplied
from the time axis compensation means exceeds a
predetermined value, the picture process means performs
a moving picture adaptive process for the picture data
and when the supplied motion information is equal to or
smaller than the predetermined value, the picture
process means performs a still picture adaptive process
for the picture data.

5.   The television receiver as set forth in claim
1,

wherein the picture process means is a noise
reduction circuit that adds picture data of successive
frames at a predetermined ratio only when the supplied
motion information is equal to or smaller than the
predetermined value.

6.   The television receiver as set forth in claim
1, further comprising:

motion detection means for inputting picture

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data that do not contain motion information, detecting

motion information of the picture data, and supplying

the detected motion information to the picture process

means; and

5   selection means for supplying one of output

picture data of the decoding means and picture data

that do not contain the motion information to the

picture process means,

wherein when the picture data are input to

10   the motion detection means, the picture process means

performs the motion picture adaptive process according

to the motion information detected by the motion

detection means.

7.   The television receiver as set forth in claim

15   1,

wherein the encoded picture data are an

elementary stream according to the MPEG2 system.

8.   A picture processing method of inputting

encoded picture data that contain motion information

20   used when the picture data were encoded, comprising the

steps of:

decoding the encoded picture data according

to the motion information and outputting the decoded

picture data;

25   performing a motion adaptive picture process

for the decoded picture data; and

supplying motion information according to the

generated decoded picture data to the picture process
step in synchronization with timing of which the
decoded picture data are supplied to the picture
process step,

       wherein the picture process step performs a
picture process according to the motion information
supplied from the time axis compensation step.

9.   The picture processing method as set forth in
claim 8,

       wherein the encoded picture data contain
difference data against a reference picture, and

       wherein the decoding step adds past or future
picture data generated according to the motion
information and the difference data to generate the
decoded picture data.

10.   The picture processing method as set forth in
claim 8,

       wherein the motion information is a moving
vector detected for each macro block composed of a
plurality of pixels, and

       wherein the picture process step references
the moving vector for each macro block and performs the
motion adaptive picture process.

11.   The picture processing method as set forth in
claim 8,

       wherein when the motion information supplied
from the time axis compensation step exceeds a

predetermined value, the picture process step performs
a moving picture adaptive process for the picture data
and when the supplied motion information is equal to or
smaller than the predetermined value, the picture
process step performs a still picture adaptive process
for the picture data.

12.   The picture processing method as set forth in
claim 8,

        wherein the picture process step is a noise
reduction that adds picture data of successive frames
at a predetermined ratio only when the supplied motion
information is equal to or smaller than the
predetermined value.

13.   The picture processing method as set forth in
claim 8, further comprising the steps of:

        inputting picture data that do not contain
motion information, detecting motion information of the
picture data, and supplying the detected motion
information to the picture process step; and

        supplying one of output picture data of the
decoding step and picture data that do not contain the
motion information to the picture process step,

        wherein when the picture data are input to
the motion detection step, the picture process step
performs the motion picture adaptive process according
to the motion information detected by the motion
detection step.

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14.   The picture processing method as set forth in claim 8,

        wherein the encoded picture data are an elementary stream according to the MPEG2 system.

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